

WILLIAMS

WORCESTER-FORGED TOOL

DETACHABLE
OCKET WRENCHES



Cadmium-plated
Finish

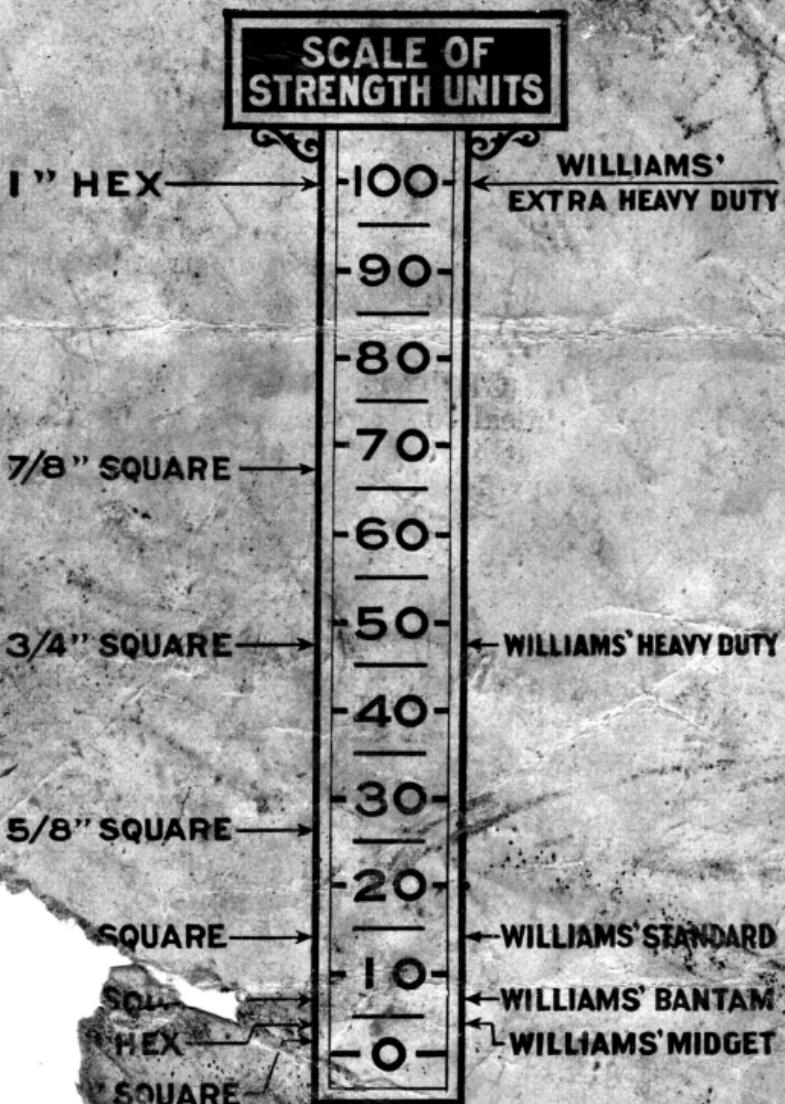
Guaranteed
Against Breakage

Broad Auto Supply

53 North Broad Street

Newark, New Jersey

WILLIAMS'
DETACHABLE SOCKET WRENCHES
COMPARATIVE
STRENGTH OF DRIVERS



Detachable Socket Wrenches are dependable tools, superior in design, construction and finish. The complete line includes all patterns of Sockets, with all necessary Tools and Parts, for Aviation, Automotive and Industrial needs.

WILLIAMS'

DETACHABLE SOCKET WRENCHES Chrome-plated over Nickel DRIVES AND PATTERNS

The efficiency of Detachable Socket Wrenches depends, primarily, on the size and shape of the drive connections between sockets and driving handles. In Williams' line this most important factor has been given first consideration.

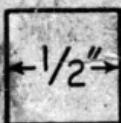
Five drive sizes provide an ideal foundation of increasing strength, as the size of sockets grows larger, on which to base the entire line. The outstanding strength of Williams' drives are graphically illustrated on previous page. The advantages of individual Patterns of Sockets, with their drives, are outlined below.



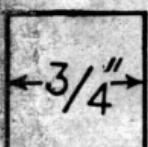
MIDGET ELECTRICAL—This drive is ideal for the small sockets required for delicate adjustments on Magnetos, Timers, Radios, Generators, Carburetors, etc. Socket sizes, $5/16$ to $1/2$ ". Hex and Double-Hex openings.



BANTAM—This drive is well proportioned to the light but strong sockets with thin walls for use in Automotive and Aviation work and in close quarters. Double-Hex Sockets, $3/8$ to $3/4$ ".



STANDARD—This drive and its slim Sockets are usually preferred for the general run of Automotive and Industrial work. Socket sizes, $5/16$ to 1 ". Double-Hex, Hex and Square openings.



HEAVY DUTY—Well adapted to tough truck and bus jobs and hard millwright work where more strength is required than on the every-day job. Double-Hex Sockets, $7/8$ to $1-5/8$ ".



EXTRA HEAVY DUTY—The strongest line made. Rugged, sturdy tools designed with ample strength for the hardest possible service. Double-Hex Sockets, $1-1/16$ to $2-1/2$ " openings.

Guaranteed Against Breakage

WILLIAMS'
DETACHABLE SOCKET WRENCHES
Chrome-plated over Nickel
MIDGET PATTERN
5/16" Hex Drive



With
Hex and
Double-Hex
Openings



SOCKETS

Williams' Midget Electrical Sockets are unequalled in cramped quarters and for delicate adjustments. Invaluable time-savers on Magnets, Timers, Generators, Wiring-connections, Radios, Carburetors, etc.

Their thin, tapered walls enable them to operate readily on troublesome little jobs where no ordinary socket or wrench could even get in and grip the nut. Furnished with Hex and Double-Hex openings as listed below.

Accurately made from a superior grade of Chrome-Alloy steel and heat-treated in electric furnaces. Uniformity of product and tough, dependable strength are assured.

Size Opening	Hexagon Sockets		Double-Hex Sockets	
	No.	List Price	No.	List Price
5/32	L-10	\$.30		
3/16	L-12	.30		
1/4	L-16	.30		
9/32	L-18	.30		
5/16			LD-20	\$.40
11/32			LD-22	.40
3/8			LD-24	.45
7/16			LD-28	.45
1/2			LD-32	.45

HANDLES and PARTS



No.	Piece	List Price
287-T	Sliding T Handle 5-1/2" long	\$1.00
287-S	Extension—4-1/2" long, with revolving Handy Grip	1.20



287-S

See page 10

287-T

Guaranteed Against Breakage

WILLIAMS'
DETACHABLE SOCKET WRENCHES
Chrome-plated over Nickel
BANTAM PATTERN
3/8" Square Drive



With
Double-Hex
Opening



SOCKETS

William "Bantam" Sockets with thin walls work in close quarters. Their 12-point openings rotate a nut completely where the handle can be swung only 30°.

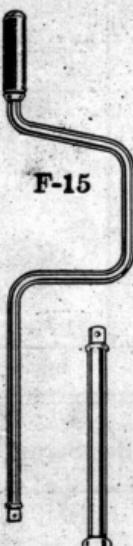
Made from high tensile steel—Chrome-Alloy—and heat-treated in electric furnaces.

Size Opening	No.	U.S. Std. Nut; Size Bolt	Hex Hd. Cap Scr. Size Screw	S.A.E. Std. Nut and Cap Screw	List Price, Each
3/8	F-1212		3/16		\$.50
7/16	F-1214		1/4	1/4	.50
1/2	F-1216	1/4	5/16	5/16	.50
9/16	F-1218		3/8	3/8	.50
5/8	F-1220		7/16	7/16	.50
11/16	F-1222	3/8			.60
3/4	F-1224		1/2	1/2	.60

HANDLES AND PARTS



F-50



F-15



F-110



F-140

No.	Piece	List Price, Each
F-15	Speeder—16-1/2" long; knurled swivel grip	\$1.75
F-20 A	Sliding T Handle—6-1/2" long	1.35
F-30	Offset Handle—7-3/4" long; knurled grip	1.65
F-40	Flex Handle—8" long; flexible head, knurled grip with 3/8" square drive hole in end—may be used as extension	3.40
F-50	Ratchet—6" long; Complete with Plug-Connector	2.10
F-110	Extension Bar—5-3/4" long	1.00
F-115	Extension Bar—10-1/4" long	1.20
F-140	Universal Joint	2.50



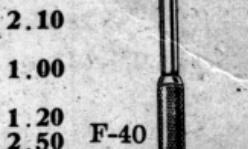
F-20A



F-30



F-115



F-40

See page 11

Guaranteed Against Breakage

WILLIAMS'
DETACHABLE SOCKET WRENCHES
Chrome-plated over Nickel
STANDARD PATTERN
1/2" Square Drive



*With
Double-Hex,
Hexagon and
Square Openings*

SOCKETS

Williams' Standard Sockets are furnished with Double-Hex, Hex and Square openings. Thin walls for work in cramped quarters. No useless bulk to prevent operation where space is limited.

Accurately made from high tensile steel—Chrome-Alloy—and heat-treated.

HEXAGON OPENINGS

Size Opening	Double Hex Sockets		Hex Sockets		U.S. Std. Nut; Size Bolt	Hex. Hd. Cap Scr., Size Screw	S.A.E. Std. Nut and Cap Screw
	No.	List Price	No.	List Price			
7/16	S-1214	\$.70	S-614	\$.60	.....	1/4	1/4
1/2	S-1216	.70	S-616	.60	1/4	5/16	5/16
9/16	S-1218	.70	S-618	.60	.....	3/8	3/8
19/32	S-1219	.80	S-619	.60	5/16	.....	.....
5/8	S-1220	.80	S-620	.60	.....	7/16	7/16
21/32	S-1221	.80	S-621	.70	.....	.....	.....
11/16	S-1222	.80	S-622	.70	3/8	.....	.....
3/4	S-1224	.90	S-624	.70	.....	1/2	1/2
25/32	S-1225	.90	S-625	.80	7/16	.....	.....
13/16	S-1226	1.00	S-626	.80	.....	9/16	.....
7/8	S-1228	1.00	S-628	.80	1/2	5/8	9/16
15/16	S-1230	1.10	S-630	.90	.....	.....	5/8
31/32	S-1231	1.20	S-631	.90	9/16	.....	.....
1	S-1232	1.20	S-632	.90	.....	3/4	11/16

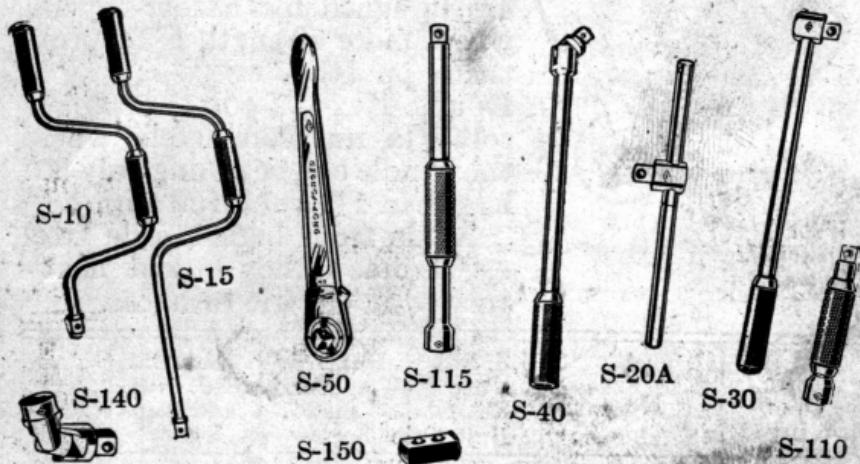
SQUARE OPENINGS

Size Opening	Square Sockets		For Set Screw
	No.	List Price	
5/16	S-410	\$.60	5/16
3/8	S-412	.60	3/8
7/16	S-414	.60	7/16
1/2	S-416	.60	1/2
9/16	S-418	.60	9/16
5/8	S-420	.70	5/8
11/16	S-422	.70	11/16
3/4	S-424	.90	3/4
7/8	S-428	1.00	7/8
1	S-432	1.00	1

See pages 12, 13 and 14

Guaranteed Against Breakage

WILLIAMS'
DETACHABLE SOCKET WRENCHES
Chrome-plated over Nickel
STANDARD PATTERN
1/2" Square Drive
HANDLES and PARTS
(For Sockets, see opposite page)

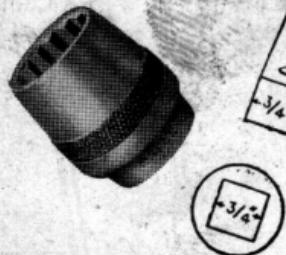


No.	Piece	List Price
S-10	Speeder—14½" long, with knurled revolving grips.....	\$2.25
S-15	Speeder—19½" long, with knurled revolving grips.....	2.50
S-20A	Sliding T Handle—9" long.....	2.10
S-30	Offset Handle—11½" long, with knurled grip.....	2.25
S-40	Flex Handle—12" long; flexible head. Knurled grip with ½" square drive hole in end—may be used as Extension.....	4.20
S-50	Ratchet—10" long, complete with Plug-Connector S-150.....	4.20
S-110	Extension Bar—5¼" long, with knurled revolving grip.....	1.80
S-115	Extension Bar—10½" long, with knurled revolving grip.....	2.10
S-140	Universal Joint.....	2.70
S-150	Ratchet Plug-Connector.....	.40

See pages 12, 13 and 14

Guaranteed Against Breakage

WILLIAMS'
DETACHABLE SOCKET WRENCHES
Chrome-plated over Nickel
HEAVY DUTY PATTERN
3/4" Square Drive



*With
Double-Hex
Opening*

SOCKETS

Williams' Heavy Duty Sockets are designed for harder service where more strength is required than on the every-day job. Double-Hex (12-point) openings rotate a nut completely where the handle can be swung only 30° less than 1/10 of a full turn.

Made from high tensile steel — Chrome - Alloy — and heat-treated in electric furnaces.

Size Open- ing	No.	U.S. Std. Nut; Size Bolt	Hex Hd. Cap Scr.; Size Screw	S.A.E. Std. Nut and Cap Screw	List Price, Each
7/8	H-1228	1/2	5/8	9/16	\$1.10
15/16	H-1230			5/8	1.10
31/32	H-1231	9/16			1.10
1	H-1232		3/4	11/16	1.10
1-1/16	H-1234	5/8		3/4	1.20
1-1/8	H-1236		7/8		1.20
1-1/4	H-1240	3/4	1	7/8	1.30
1-3/8	H-1244		1-1/8		1.50
1-7/16	H-1246	7/8		1	1.50
1-1/2	H-1248		1-1/4		1.50
1-5/8	H-1252	1	1-3/8	1-1/8	1.50

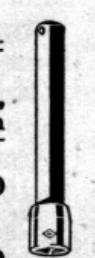
HANDLES and PARTS



H-20A H-115

No.	Piece	List Price, Each
H-20A	Sliding T Handle— 17-1/2" long . . .	\$3.00
H-50	Ratchet—18-1/2" long, without Plug- Connector H-150	9.60
H-110	Extension Bar— 8" long	2.60
H-115	Extension Bar— 15-1/2" long	2.80
H-150	Ratchet Plug- Connector . . . . .	.90

See pages 14 and 15



H-110



H-50

WILLIAMS'

DETACHABLE SOCKET WRENCHES

Chrome-plated over Nickel

EXTRA HEAVY DUTY PATTERN

1" Hex Drive

SOCKETS

William's Extra Heavy Duty Sockets provide sturdy, rugged strength for the hardest kind of service. They are cross-drilled to receive Sliding Handle, bringing same close to the work. Minimizes tendency to tip when socket is used near end of handle. Rotates nuts completely where handle can be swung only 30°.



With
Double-Hex
Openings

Made from high tensile steel and heat-treated in electric furnaces.

Size Opening	No.	U.S. Std. Nut; Size Bolt	Hex Hd. Cap Scr. Size Screw	S.A.E. Std. Nut and Cap Screw	List Price, Each
1-1/16	X-1234	5/8		3/4	\$2.20
1-1/8	X-1236		7/8		2.20
1-1/4	X-1240	3/4	1	7/8	2.30
1-3/8	X-1244		1-1/8		2.30
1-7/16	X-1246	7/8		1	2.40
1-1/2	X-1248		1-1/4		2.60
1-5/8	X-1252	1	1-3/8	1-1/8	2.60
1-13/16	X-1258	1-1/8		1-1/4	3.60
2	X-1264	1-1/4		1-3/8	5.00
2-3/16	X-1270	1-3/8		1-1/2	8.00
2-3/8	X-1276	1-1/2			9.00
2-1/2	X-1280				9.00

HANDLES AND PARTS

No.	Piece	List Price, Each
X-20B	Sliding Handle— 20" long.....	\$1.20
X-20C	Adapter—for Sliding Handle X-20B, . . .	2.50
X-50	Ratchet—18-1/2" long, without Plug- Connector X-150..	10.20
X-110	Extension Bar— 9" long.....	2.00
X-115	Extension Bar— 18" long.....	4.00
X-150	Ratchet Plug- Connector.....	1.20

X-115



X-150

See page 15

Guaranteed Against Breakage



X-20C



X-110



X-20B

WILLIAMS'
DETACHABLE SOCKET WRENCHES
Chrome-plated over Nickel
MIDGET PATTERN
5/16" Hex Drive

ELECTRICAL SET No. 286

A handful of helpfulness on electrical jobs, in cramped quarters and for delicate adjustments on Magnetos, Timers, Generators, Wiring-connections, Radios, Carburetors, etc.

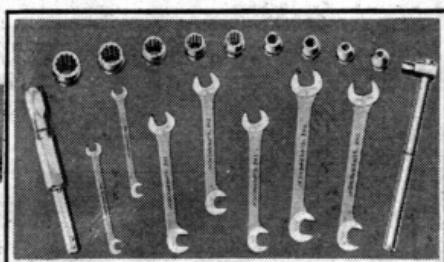
Nine slim, tapered Sockets with 5/32, 3/16, 1/4 and 9/32" hex openings and 5/16, 11/32, 3/8, 7/16 and 1/2" double-hex openings. Sliding T Handle, 5-1/2" long, and 4-1/2" Extension with revolving handy grip. See page 4.



LIST PRICE—\$6.35

*In Strong Steel Box,
5-1/4 x 2-3/4 x 1" high.*

**COMBINATION
ELECTRICAL SET No. 287-A**



LIST PRICE, Complete—\$13.45

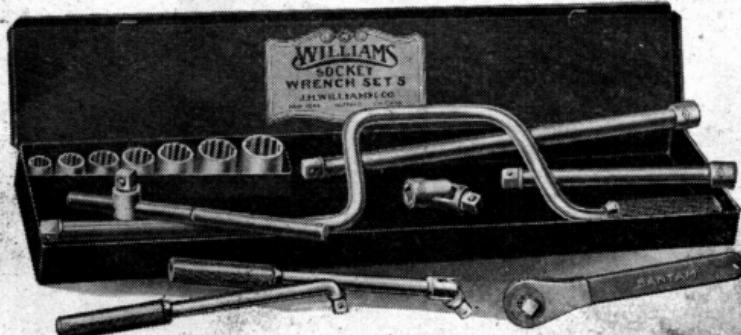
In Strong Steel Box, 5-1/4 x 2-3/4 x 1" high.

This Combination Set contains the same assortment as No. 286 and, in addition, 7 Midget open-end wrenches with openings 7/32, 1/4, 5/16, 11/32, 3/8, 7/16 and 1/2". GENUINE "Superrenches", drop-forged from Chrome-Molybdenum steel, heat-treated and chrome-plated; heads polished.

Guaranteed Against Breakage

WILLIAMS'
DETACHABLE SOCKET WRENCHES
Chrome-plated over Nickel
BANTAM PATTERN
3/8" Square Drive

SET No. 5



In Strong Steel Box, 17 x 4 x 1-1/4"

SET No. 5

LIST PRICE, Complete as shown—\$20.90.
15 Pieces—7 Sockets and 8 Attachments

SET No. 5-A

LIST PRICE, Without Flex Handle—\$17.50
14 Pieces—7 Sockets and 7 Attachments
(Flex Handle not included)

Unless otherwise specified, Set No. 5 will be furnished

A comprehensive assortment of Bantam Pattern Sockets and Accessories for small work. 7 Double-Hex Sockets, with 12-point openings from 3/8 to 3/4", cover U. S. Std. Nuts 1/4 and 3/8", all Hex Cap Screws 3/16 to 1/2" and all S. A. E. Std. Nuts and Cap Screws 1/4 to 1/2". Sockets have thin walls and the Handles and Parts are long and slim for use in confined spaces.

Compact, complete Sets—ideal for Automotive and Aviation work. A minimum number of tools provides maximum performance.

See page 5

Guaranteed Against Breakage

WILLIAMS'
DETACHABLE SOCKET WRENCHES
Chrome-plated over Nickel
STANDARD PATTERN
1/2" Square Drive

GARAGE SET No. 20



*In Strong Steel Box,
20 x 6 x 3-1/4"*

SET No. 20

LIST PRICE, Complete as shown—\$36.60
20 Pieces—10 Double-Hex Sockets and 10 Accessories

SET No. 20-A—LIST PRICE—\$35.10

Same Assortment as Set No. 20, but with Hex instead of Double-Hex Sockets.

SET No. 20-B—LIST PRICE—\$32.40

Same Assortment as Set No. 20, but without Flex Handle.

SET No. 20-C—LIST PRICE—\$30.90

Same Assortment as Set No. 20-A, but without Flex Handle.

Unless otherwise specified, Set No. 20 will be furnished

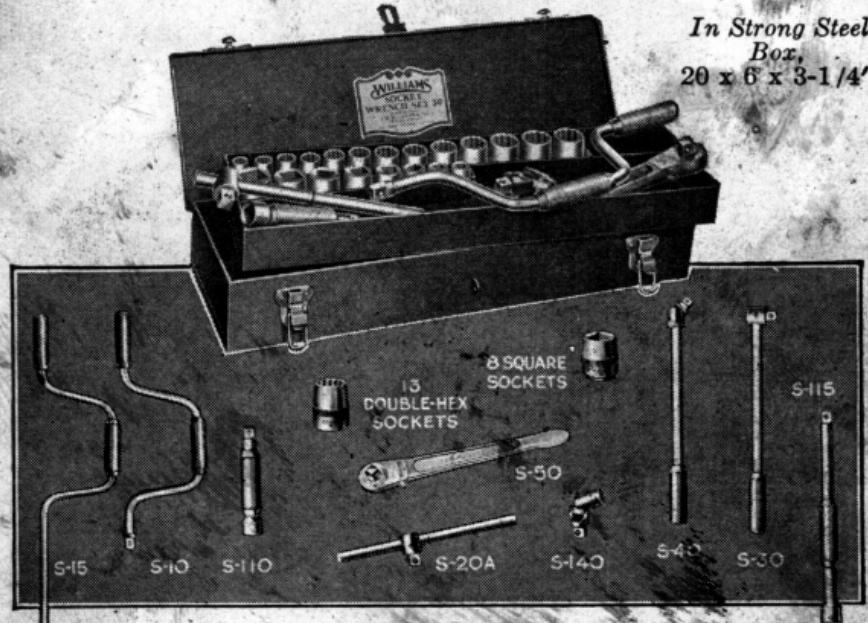
This convenient and efficient Set includes all Sockets and Accessories required for the general run of garage work. It provides comprehensive service in a minimum number of tools. Handles and Parts offer a wide range of selection in making up desirable Socket Wrench combinations. Other sizes of Sockets, if wanted, can be added at slight expense—see table, page 6.

See pages 6 and 7

Guaranteed Against Breakage

WILLIAMS'
DETACHABLE SOCKET WRENCHES
Chrome-plated over Nickel
STANDARD PATTERN
1/2" Square Drive

SET No. 30



SET No. 30

LIST PRICE, Complete as shown—\$45.80
30 Pieces—21 Sockets and 9 Attachments

SET No. 30-A—LIST PRICE—\$43.50

Same Assortment as Set No. 30,
but with Hex instead of Double-Hex Sockets
Unless otherwise specified, Set No. 30 will be furnished

These Sets contain the same Handles and Parts as Set No. 20, listed on page 12, but include a more complete assortment of Sockets. Thirteen Double-Hex, or Hex Sockets as desired, with openings 3/8 to 1" cover popular sizes of U. S. and A. S. E. Std. nuts and cap screws. Eight Square Sockets cover all set screws, 3/8 to 7/8". An efficient, comprehensive assortment for general, all-around work.

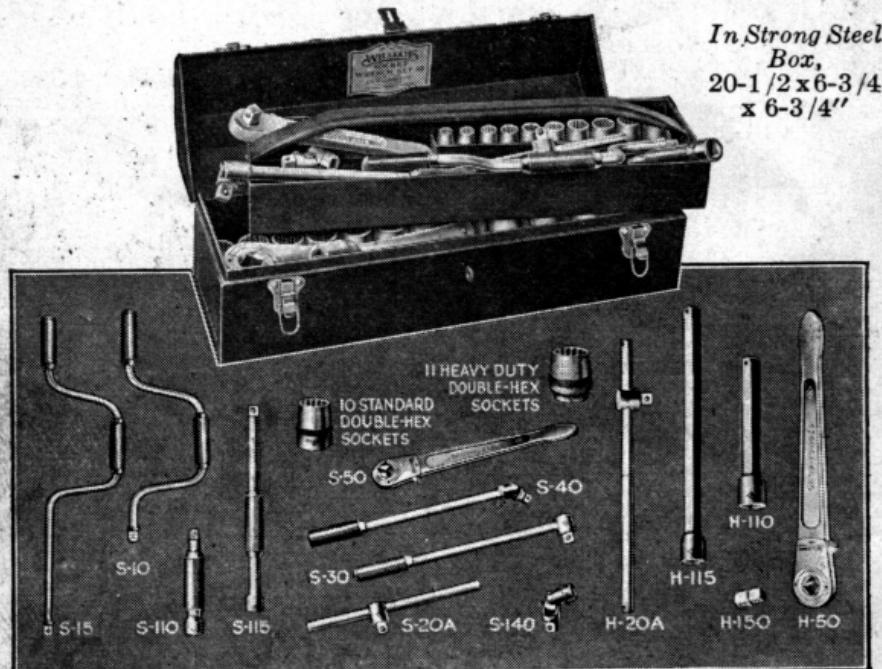
See pages 6 and 7

Guaranteed Against Breakage

WILLIAMS'
DETACHABLE SOCKET WRENCHES
Chrome-plated over Nickel
COMBINATION SET No. 55

Standard Pattern
1/2" Square Drive

Heavy Duty Pattern
3/4" Square Drive



SET No. 55

LIST PRICE, Complete as shown—\$75.90
35 Pieces—21 Sockets and 14 Attachments

SET No. 55-A—LIST PRICE—\$71.70
Same as Set 55, but without Flex Handle S-40

Unless otherwise specified, Set No. 55 will be furnished

This combination of "Standard" and "Heavy Duty" Socket Wrenches provides an ideal assortment for bus and truck work and also for the millwright. Double-Hex Sockets for all U. S. Std. nuts, 1/4 to 1". and cap screws 1/4 to 1-3/8", with two complete lines of Handles and Parts—Standard pattern for Sockets up to 7/8" hex and Heavy Duty pattern for the larger sizes.

If wanted, Square Sockets may be obtained at slight expense. See table, page 6.

See pages 6, 7 and 8

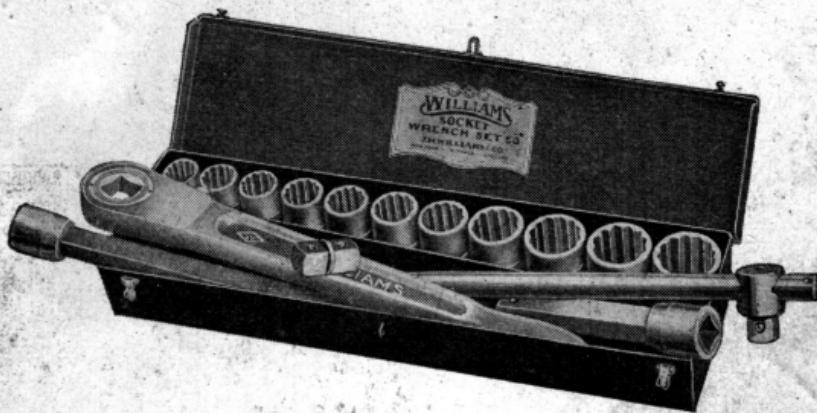
Guaranteed Against Breakage

WILLIAMS'

DETACHABLE SOCKET WRENCHES Chrome-plated over Nickel

HEAVY DUTY PATTERN 3/4" Square Drive

SET No. 50



*In Strong Steel Box,
19-3/4 x 5-1/4 x 2-3/4"*

LIST PRICE, Complete—\$36.00
16 Pieces—11 Sockets and 5 Attachments

Williams' Set 50 for Heavy Duty contains Sockets and Accessories of trim design, yet of ample strength for hard jobs. Eleven Sockets with 12-point (Double-Hex) openings from 7/8 to 1-5/8", care for all U. S. Std. Nuts 1/2 to 1", all Hex Cap Screws 1/2 to 1" and all S. A. E. Std. Nuts and Cap Screws 9/16 to 1-1/8".

The Handles and Parts are easily connected with the Sockets (and as readily disconnected), but are held firmly against unintentional displacement.

See page 8

Guaranteed Against Breakage

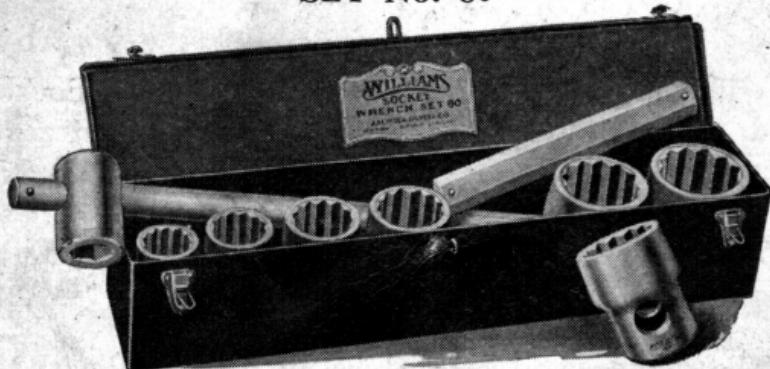
WILLIAMS'
DETACHABLE SOCKET WRENCHES
Chrome-plated over Nickel
EXTRA HEAVY DUTY PATTERN
1" Hex Drive
SET No. 75



LIST PRICE, Complete as shown—\$67.50
In Strong Steel Box, 20-1/2 x 6-1/2 x 4-1/4"

This Set contains a complete assortment of 17 pieces (11 Double-Hex Sockets—2½" Socket is omitted—and 6 Attachments) shown on page 9.

SET No. 80



LIST PRICE, Complete as shown—\$42.50
7 Sockets and 3 Attachments
In Strong Steel Box, 20-3/4 x 4-1/4 x 4-1/4"

A compact Set of the same tools as in Set 75 above, less Sockets 1-1/16, 1-1/8, 1-3/8 and 1-1/2", Ratchet and Long Extension. Suitable where range of work required is more restricted. See page 9.

Guaranteed Against Breakage

WILLIAMS'
DETACHABLE SOCKET WRENCHES
Chrome-plated over Nickel
DRAIN-PLUG PATTERN
1/2" Square Drive

DRAIN-PLUG SET No. 100



LIST PRICE, Complete—\$6.90

8 Plugs and Sliding T Handle
In Strong Steel Box, 8-1/2 x 2-1/4 x 1-1/4"

No oil or service station, or garage should be without this handy, compact Set for the quick removal of drain-plugs with square recess for drive. Any ordinary wrench will handle drain-plugs having male drive; consequently, no hex or square sockets for use on same are included. Unnecessary parts and expense are thus eliminated. The Sliding Bar may be used either as a T, or an Offset Handle.



SP-20B

CONTENTS OF SET

Plugs

No.	Size
SP-410	5/16
SP-412	3/8
SP-414	7/16
SP-416	1/2
SP-418	9/16
SP-420	5/8
SP-422	11/16
SP-424	3/4

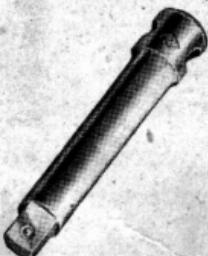
Sliding T Handle

SP-410 to 424

SP-20B Sliding Bar

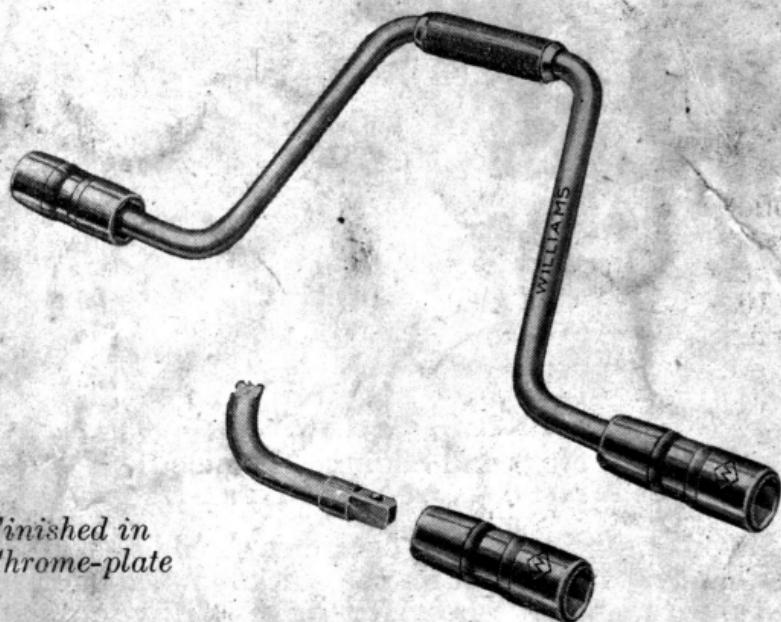
SP-20E

SP-20E Extension



Guaranteed Against Breakage

WILLIAMS
SPEEDER RIM WRENCH
With
TWO 2-WAY SOCKETS
No. 954



*Finished in
Chrome-plate*

LIST PRICE, Complete—\$4.50

A most convenient and handy wrench for garage service. Four popular hex openings— $5/8$, $11/16$, $3/4$ and $7/8$ "—cover tire nuts on practically all cars.

Each socket is detachable and has two different openings—one in each end. These openings are especially deep to provide a full grip on acorn nuts of disc and wire wheels. Sockets operate readily on wire wheels.

Extreme length 18". Radius of throw, 6". Knurled, revolving grip in center.

Made of high tensile steel, with Chrome-Alloy sockets. Heat-treated and chrome-plated; sockets polished.

Guaranteed Against Breakage

WILLIAMS'
DROP-FORGED RIM WRENCHES
With
FOUR DIFFERENT OPENINGS

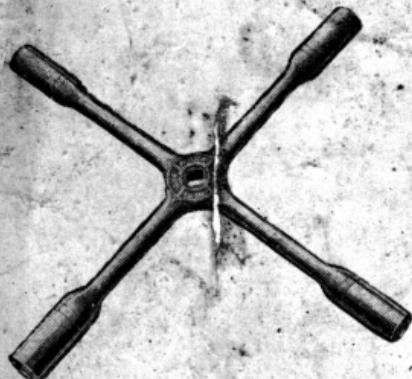
No. 945
For Ford
Cars and Trucks

A powerful rim wrench, designed especially to fit all Ford Model A cars and AA trucks. Also late Model T. Chrome-Alloy sockets with four different hex openings— $11/16$, $13/16$, $1-1/8$ and $1-1/2$ "

For heavy duty, the drop-forged hub is provided with hole in which the $7/8$ " x 20 " turning bar or lever fits. Bar has shallow groove near each end and also in center for engaging spring ball in hub opening—a great convenience in operation.

Wrench and Bar finished in Cadmium-plate.

List Price, Complete with Bar \$7.50



No. 944

A husky one-piece, 4-way wrench, with weight nicely balanced; nuts can be easily spun. The tool is unusually efficient in this respect. The cross-arms of the drop-forged frame provide powerful double leverage for starting "frozen" nuts, or for tightening

them securely with minimum effort.

Four Chrome-Alloy Sockets with hex openings $5/8$, $11/16$, $3/4$ and $7/8$ " cover practically all cars. Deep openings give full bearing on acorn nuts on wire and disc wheels.

LIST PRICE, Cadmium-plated—\$4.00

Guaranteed Against Breakage

WILLIAMS
SUPERIOR DROP-FORGED TOOLS
**DETACHABLE
SOCKET WRENCHES**

Guarantee

Williams' Socket Wrenches are
carefully and accurately
made from a superior
grade of Chrome Alloy
and high tensile steel;
all are manufactured free
from defects in material and
workmanship. Every
Williams' Socket, Handle
and Part is Guaranteed
Against Breakage.

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